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**STUDY OF THE MECHANICAL BEHAVIOR OF STRUCTURAL BLOCKS IN CONCRETE
CONSIDERING THE VARIATION OF MOISTURE**

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Increased use of concrete blocks within building processes is notable to ensure greater rationalization and cost minimization. Some cities have stood out in this sense, making it necessary to know the characteristics of the products that are being made available in the market. Characteristics such as size and compressive strength are extremely important and should be within the standards established in the standard. The selected blocks were submitted to dimensional tests and analysis of their resistance to compression with and without the presence of water, following the standards required by the Brazilian Association of Technical Standards (ABNT) NBR 6136: 2006 and NBR 12118: 2006. The results indicated that the blocks are not dimension compliant, characterizing a possible lack of technical knowledge, which can increase production costs and interfere in the competitiveness between companies. Regarding the resistance, the concrete blocks presented a decrease in their resistance when submitted to humidity, which can progressively reduce the useful life of the structure.